

Idaho Trades & Industry

Secondary Pathway Sequence



MANUFACTURING PATHWAYS				
PATHWAY SEQUENCE	AUTOMATED MANUFACTURING	INDUSTRIAL MAINTENANCE MECHANICS	PRECISION MACHINING	WELDING
Intermediate (1 Year)	Automated Manufacturing Level I 130025	Industrial Maintenance/Mechanics Level I 130022	Precision Machining Level I 132030	Welding Level I 132070
Intermediate (1 Year)	Automated Manufacturing Level II 130026	Industrial Maintenance/Mechanics Level II 130023	Precision Machining Level II 132031	Welding Level II 132071
Capstone (1 Year)	Automated Manufacturing Level III (Required) 130027	Industrial Maintenance/Mechanics Level III (Required) 130024	Precision Machining Level III (Required) 132032	Welding Level III (Required) 132072
	Work-Based Learning: Automated Manufacturing (Optional) 130980	Work-Based Learning: Industrial Mechanics (Optional) 130981	Work-Based Learning: Precision Machining (Optional) 130982	Work-Based Learning: Certified Welding (Optional) 132480
Technical Competency Credits*	Blueprint Reading: 2 credits (CEI, CSI, CWI, LCSC, NIC) Basic Electricity & DC Circuit Theory: 4 credits (CWI, ISU, LCSC) Basic Electricity & DC Circuit Lab: 2 credits (CEI, CSI, CWI, ISU, LCSC, NIC)	TBD	Machine Tool Theory I: 2 credits (CEI, CSI, CWI, ISU, NIC) Machine Tool Theory II: 2 credits (CEI, CSI, CWI, ISU, NIC) Blueprint Reading: 2 credits (CEI, CSI, CWI, ISU, LCSC, NIC)	Safety and Leadership: 2 credits Welding Theory: 2 credits Blueprint Reading for Welders: 2 credits SMAW Practical: 4 credits (CEI, CSI, CWI, ISU, LCSC, NIC)

*Credits can be transcribed at the specified postsecondary institutions.

PATHWAY RESOURCES — MANUFACTURING

Program Requirements

Approved Assessments

[CTECS- Automated Manufacturing](#)

[CTECS- Industrial Maintenance Mechanics](#)

[CTECS- Precision Machining](#)

[CTECS- Welding](#)

Program Standards

[Automated Manufacturing](#)

[Industrial Maintenance Mechanics](#)

[Precision Machining](#)

[Welding](#)

Teaching Endorsements

130027 Automated Manufacturing Level III

5022 Automated Manufacturing (6-12)

130024 Industrial Mechanics Level III

6109 Industrial Mechanics (6-12)

132032 Precision Machining Level III

6232 Precision Machining (6-12)

132072 Welding Level III

6236 Certified Welding (6-12)

Advanced Opportunities

[Idaho SDE Advanced Opportunities, Approved Exams, and Cost](#)

AWS GMAW (Various Exams)

AWS FCAW (Various Exams)

AWS GTAW (Various Exams)

AWS SMAW (Various Exams)

National Institute for Metalworking Skills (NIMS) Level 1 Credentials

SkillStack® Badges



TCC - Basic Electricity & DC Circuit Theory: for Automated Manufacturing 4 credits



TCC - Machine Tool Theory I Course: 2 Credits



TCC - Machine Tool Theory II Course: 2 Credits



TCC - Safety and Leadership: 2 Credits



TCC - Welding Theory: 2 Credits



TCC - Blueprint Reading for Welders: 2 Credits



TCC - SMAW Practical: 4 Credits



TCC - Blueprint Reading for Automated Manufacturing: 2 Credits



TCC - Basic Electricity & DC Circuit Lab for Automated Manufacturing: 2 credits

Career & Technical Student Organization

SkillsUSA

Website: skillsusaidaho.com

Mission: SkillsUSA empowers its members to become world-class workers, leaders and responsible American citizens. SkillsUSA improves the quality of our nation's future skilled workforce through the development of Framework skills that include personal, workplace and technical skills grounded in academics.

CTSO State Advisor

[Chet Andes](#) [208.429.5523]

CTSO Manager

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